Comparisons of Job Characteristics

Focus Occupation: Highway Maintenance Workers (47-4051)
Associated Occupation: Construction Laborers (47-2061)

Compare Knowledge
Compare Skills
Compare Abilities
Compare Detailed Work Activities
Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge — Similarity of Focus Occupation to Associated Occupation: 73

Focus Occupation: Highway Maintenance Workers (47-4051)
Associated Occupation: Construction Laborers (47-2061)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Building and Construction	4.0	16.8	12.2	**<<**	Extensive education and/or training may be required
Mechanical	6.8	11.2	11.0	**0**	Current knowledge level may be sufficient
Design	5.2	10.7	5.4	**<<**	Extensive education and/or training may be required
Public Safety and Security	6.9	10.6	14.2	**>>**	Current knowledge level is likely more than sufficient
Transportation	4.6	8.0	10.6	**>>**	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills — Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Highway Maintenance Workers (47-4051)
Associated Occupation: Construction Laborers (47-2061)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Operation and Control	5.4	8.1	11.4	**>>**	Skill level is likely more than sufficient
Equipment Selection	3.3	5.3	4.4	**<**	A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities — Similarity of Focus Occupation to Associated Occupation: 83

Focus Occupation: Highway Maintenance Workers (47-4051)
Associated Occupation: Construction Laborers (47-2061)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Static Strength	5.0	11.6	10.1	<	Some improvement in abilities may be required
Manual Dexterity	6.5	11.2	10.8	0	Current ability level may be sufficient
Multilimb Coordination	6.0	10.6	12.9	>	Current ability level is likely sufficient
Trunk Strength	5.7	10.3	9.8	0	Current ability level may be sufficient
Stamina	4.0	8.6	7.9	0	Current ability level may be sufficient
Dynamic Strength	3.5	7.0	6.4	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 92

Focus Occupation: Highway Maintenance Workers (47-4051)
Associated Occupation: Construction Laborers (47-2061)

Work Activities	Exclusivity of Activity
Adhere to safety procedures	12
Apply adhesives, caulking, sealants, or coatings	45
Dig holes or trenches for foundations, posts, poles, or related items	78
Fabricate, assemble, or disassemble manufactured products by hand	11
Measure and mark lay out for construction projects	89
Mix paint, ingredients, or chemicals, according to specifications	35
Move materials or goods between work areas	72
Move or fit heavy objects	8
Operate jackhammer	87
Operate pneumatic tamper to patch pavement or tamp earth	89
Operate power construction equipment	84
Read tape measure	41
Understand construction specifications	53
Use concrete fabrication techniques	74
Use hand or power tools	2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Highway Maintenance Workers (47-4051)	
Associated Occupation: Construction Laborers (47-2061)	

Tools and Technologies	Exclusivity
Aerial lifts	13
Agricultural machinery for harvesting	35
Building construction machinery and accessories	25
Cleaning equipment	11
Compressors	9
Dispensing tools	6
Dispersing and spraying appliances for agriculture	26
Drilling and operation machinery	29
Earth moving machinery	11
Floor machines and accessories	24
Forming tools	2
Garden tools	12
Heating equipment and parts and accessories	19
Heavy equipment components	21
Holding and clamping tools	3
Ladders and scaffolding	6
Land surveying instruments	19
Length and thickness and distance measuring instruments	2
Lifting equipment and accessories	3
Paint applicators and painting accessories	15
Passenger motor vehicles	13
Paving equipment	35
Personal communication devices	2
Pneumatic tools	8
Power generators	16
Power tools	2
Product and material transport vehicles	13
Pumps	9
Rock drills	56
Soldering and brazing and welding machinery and supplies	6
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.